

Compact Hi-Fi Stereo System

Operating Instructions

Owner's Record

The model and serial numbers are located on the rear panel of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No.	Serial No





LBT-XGR80 LBT-XGR60 LBT-XGR6

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.



This appliance is classified as a CLASS 1 LASER product. This label is located on the rear exterior.

To prevent fire, do not Cover the ventilation of the apparatus with newspapers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.



Don't throw away the battery with general house waste, dispose of it correctly as chemical waste.

Except for American model:

The following caution label is located inside the apparatus.



NOTICE FOR THE CUSTOMERS IN THE U.S.A.





This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

The use of optical instruments with this product will increase eye hazard.

WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note on CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

NOTICE FOR THE CUSTOMERS IN CANADA

CAUTION:

TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

For the customers in North America



ENERGY STAR® is a U.S. registered mark.
As an ENERGY STAR® partner, Sony Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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How to use this page

Use this page to find the location of buttons and other parts of the system that are mentioned in the text.

Illustration number

↓
PLAY MODE 32 (9, 10)

↑
Name of button/part Reference page

Main unit

ALPHABETICAL ORDER

A – D

A EJECT ♣/♣ B EJECT 26 (13)

AMSI◄◄/▶▶I 21 (9, 10)

CD SYNC 19 (14, 15)

Direct equalizer 16 37 (17)

GUITAR/ROCK/JAZZ/DANCE/
GAME

SALSA/REGGAE/TANGO/
SAMBA/MOVIE

DIRECTION 35 (13, 14, 15, 20)

DISC SKIP 32 (9, 10)

DISC 1 to 5 30 (9)

DISPLAY 2 (23)

E - G

EDIT 31 (15)

EFFECT 5 (17)

ENTER 5 (8, 15, 17, 19)

FM MODE 8 (12)

FUNCTION 13 (7, 9, 10, 14, 20, 22, 26)

GAME 14 (22)

GAME INPUT AUDIO L/R 23 (25)

GAME INPUT VIDEO 23 (25)

GAME MIXING 15 (22)

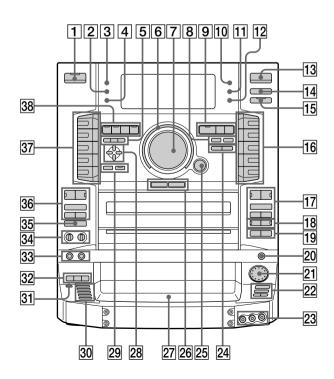
GROOVE 38 (16)

GUITAR DISTORTION 29 (21)

GUITAR jack 33 (21)

GUITAR LEVEL 34 (21)

H - R
H SPEED DUB 19 (14)
MIC LEVEL 34 (20)
MIX GUITAR/KAROKE 29 (20, 21)
MIX MIC jack 33 (20)
P FILE 5 (17)
PHONES jack 20
PLAY MODE 32 (9, 10)
POWER SAVE/DEMO
(STANDBY) 3 (23)
Power stream indicator 6
PUSH OPEN 27 (9)
REPEAT 32 (10)



S - X

SLEEP 10 (18) SPECTRUM ANALYZER 4 (20) SUPER WOOFER 38 (16) SUPER WOOFER MODE 38 (16) SURROUND 38 (18) TIMER SELECT 11 (16, 19) TUNER/BAND 9 (11, 12) TUNER ENTER 24 (11) TUNER MEMORY 24 (11) TUNING MODE **8** (11, 12) TUNING -/+ 9 (11, 12) VOLUME control 7 (10) X-GROOVE 25 (16)

BUTTON DESCRIPTIONS

I/(¹) 1

①/CLOCK SET 12

<1/>
√
17
36

17 36

18

● REC 18

⊳ II 22

22 **◄ /▶▶** 22

 $\uparrow/\downarrow/\longleftarrow/\longrightarrow$ (cursor) 28

Remote control

ALPHABETICAL ORDER

C - F

CD **15** (9)

CLEAR 4 (10)

CLOCK/TIMER SELECT 22 (16,

CLOCK/TIMER SET 1 (8, 15,

DISC SKIP 20 (9, 10)

DISPLAY 11 (23)

EFFECT 9 (17)

ENTER 10 (8, 15, 17, 19)

FILE SELECT +/- 13 (17)

FUNCTION 3 (7, 9, 10, 14, 20,

22, 26)

P-V

PRESET -/+ 19

SURROUND **5** (18)

TUNER/BAND 14 (11, 12)

VOL +/- 6 (10)

SLEEP 21 (18)

TUNING -/+ 18 (11, 12)

BUTTON DESCRIPTIONS

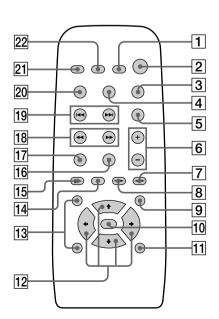
/(^l) 2

◄► 7 8

↑/__/--/--- (cursor) 12 **1**6

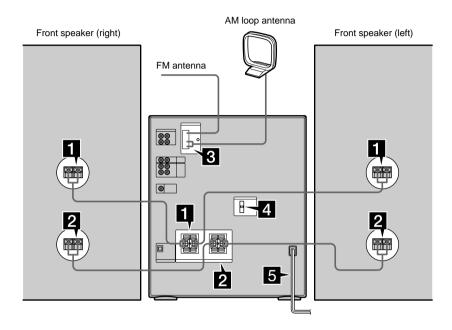
II 17

◄4/▶▶ 18 **I**✓ **/**✓ **1**✓ **1**



Hooking up the system

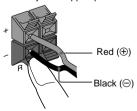
Do the following procedure **1** to **5** to hook up your system using the supplied cords and accessories.



1 Connect the speakers.

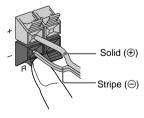
Connect the speaker cords to the FRONT SPEAKER jacks for LBT-XGR60 and LBT-XGR6 or TWEETER & WOOFER jacks for LBT-XGR80 as below.

Insert only the stripped portion.



2 Connect the speakers for biamplification system (LBT-XGR80 only)

Connect the speaker cord to the SUPER WOOFER jacks as below.

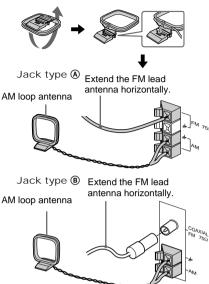


Note

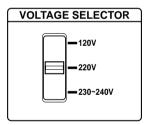
Keep the speaker cords away from the antennas to prevent noise.

3 Connect the FM/AM antennas.

Set up the AM loop antenna, then connect it.



4 For models with a voltage selector, set VOLTAGE SELECTOR to the position of your local power line voltage.



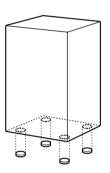
5 Connect the power cord to a wall outlet.

The demonstration appears in the display. When you press I/\bigcup , the system turns on and the demonstration automatically ends. If the supplied adaptor on the plug does not fit your wall outlet, detach it from the plug (only for models equipped with the adaptor).

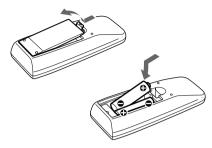
When carrying this system Do the following to protect the CD mechanism.

- **1** Make sure that all discs are removed from the unit.
- 2 Press FUNCTION repeatedly until "CD" appears.
- 3 Hold down EDIT and then press I/U until "LOCK" appears.
- **4** Unplug the AC power cord.

Before connecting the Front speaker Stick the supplied front speaker pads to the bottom of the front speakers to stabilize the speakers and prevent them from slipping.



Inserting two size AA (R6) batteries into the remote



Tip

When the remote no longer operates the system, replace both batteries with new ones.

Note

If you do not use the remote for a long period of time, remove the batteries to avoid possible damage from battery leakage.

Setting the clock

- 1 Turn on the system.
- 2 Press ①/CLOCK SET (or CLOCK/TIMER SET on the remote).
- 3 Press †/\press repeatedly to set the hour.
- 4 Press ENTER.

The minute indication flashes.

- 5 Press 1/1 repeatedly to set the minute.
- 6 Press ENTER.

The clock starts working.

If you make a mistake

Press \leftarrow / \rightarrow repeatedly until the incorrect item flashes, then set it again.

To adjust the clock

- 1 Press ②/CLOCK SET (or CLOCK/TIMER SET on the remote).
- 2 Press ↑/↓ to select "CLOCK SET," then press ENTER.
- **3** Do the same procedures as step 3 to 6 above.

Notes

- The clock settings are canceled when you disconnect the power cord or if a power failure occurs.
- You cannot set the clock in the Power Saving Mode.

Loading the CD

1 Press PUSH OPEN.

The front cover opens.

2 Place a CD with the label side up on the disc tray.

When you play a CD single, place it on the inner circle of the tray.



To insert additional discs, press DISC SKIP to rotate the disc tray.

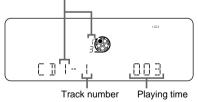
3 Close the front cover.

Playing the CD

--- Normal Play/Shuffle Play/Repeat Play

This unit lets you play the CD in different play modes.

Disc number in the playing position



Press FUNCTION repeatedly until "CD" appears.

2 Press PLAY MODE repeatedly in stop mode until the mode you want appears.

Select	To play
ALL DISCS	All CDs in the disc tray continuously.
1 DISC	The CD you selected in the original order.
ALL DISCS SHUFFLE	The tracks on all CDs in random order.
1 DISC SHUFFLE	The tracks on the CD you selected in random order.
PROGRAM	The tracks on all CDs in the order you want them to be played (see "Programming the CD tracks" on page 10).

$3 \text{ Press} \triangleright \mathbf{II}$ (or CD \triangleright on the remote).

Other Operations

То	Do this
Stop playback	Press ■.
Pause	Press ► II (or II on the remote). Press again to resume play.
Select a track	During play or pause, turn I ← AMS ► I clockwise (to go forward) or counterclockwise (to go backward) (or press ► I (to go forward) or I ← (to go backward) on the remote).
Find a point in a track	Press and hold ►► or ◀◀ during playback, and release at the desired point.
Select a CD	Press DISC 1 to 5 or DISC SKIP.

continued

Playing the CD (continued)

То	Do this
Switch to CD function from another source	Press DISC 1 to 5 or ► II (or CD ► on the remote) (Automatic Source Selection).
Play repeatedly (Repeat Play)	Press REPEAT during playback until "REPEAT" or "REPEAT1" appears. REPEAT*: For all the tracks on the CD up to five times. REPEAT1: For a single track only. To cancel playing repeatedly, press REPEAT until "REPEAT" or "REPEAT1" disappears.
Remove the CD	Press PUSH OPEN.
Adjust the volume	Turn VOLUME (or press VOL +/- on the remote).

^{*} You cannot select "REPEAT" and "ALL DISC SHUFFLE" at the same time.

Tip

You can change the CD in the loading position during playback of the CD in the playing position.

Programming the CD tracks

- Program Play

You can make a program of up to 25 tracks from all the CDs in the order you want them to be played.

- 1 Press FUNCTION repeatedly until "CD" appears, then load a CD.
- 2 Press PLAY MODE repeatedly until "PROGRAM" appears.
- 3 Press DISC SKIP to select a CD.

4 Turn I → AMS → until the track you want appears.

5 Press PLAY MODE once.

The track is programmed. First the programmed playing order and "STEP" appear, then the total playing time appears.

6 To program additional tracks, repeat steps 3 to 5.

Skip step 3 to select tracks from the same disc.

7 Press ⊳II.

То	Press
Cancel Program Play	PLAY MODE repeatedly until "PROGRAM," "ALL DISCS SHUFFLE" or "1 DISC SHUFFLE" disappears.
Clear a track from the end	CLEAR on the remote in stop mode.
Add a track to the end of the program in stop mode	Perform step 3 to 5.

Tips

- The program you made remains in the CD player after it has been played back. Press ► to play the same program again.
- "----" appears when the total CD program time exceeds 100 minutes, or when you select a CD track whose number is 21 or over.

Presetting radio stations

You can preset up to 20 FM stations and 10 AM stations. You can then tune in any of those stations simply by selecting the corresponding preset number.

There are two ways to store the station presets.

То	Method	
Automatically tune all of	Automatic Tuning preset	
the stations that can be		
received in your area and		

Manually tune and store Manual Tuning Preset the radio frequency of your favorite stations

Setting presets through automatic tuning

- 1 Press TUNER/BAND repeatedly to select "FM" or "AM."
- 2 Press TUNING MODE repeatedly until "AUTO" appears.
- 3 Press TUNING -/+.

then store them manually

The frequency indication changes and the scanning stops when the system tunes in a station. "TUNED" and "STEREO" (for a FM stereo program) appear.

If "TUNED" does not appear and the scanning does not stop Set the frequency of the desired radio station as described in steps 2 through 6 of "Setting presets through manual tuning."

- 4 Press TUNER MEMORY.
- 5 Press TUNING -/+ repeatedly to select the desired preset number.



6 Press TUNER ENTER.

"COMPLETE" appears.

7 Repeat steps 1 to 6 to store other stations.

Setting presets through manual tuning

- 1 Press TUNER/BAND repeatedly to select "FM" or "AM."
- 2 Press TUNING MODE repeatedly until "MANUAL" appears.
- 3 Press TUNING -/+ repeatedly to tune in the desired station
- 4 Press TUNER MEMORY.
- 5 Press TUNING -/+ repeatedly to select the desired preset number.



Preset number

6 Press TUNER ENTER.

"COMPLETE" appears.

7 Repeat steps 1 to 6 to store other stations.

Other Operations

То	Do this
Tune in a station with a weak signal	Follow the procedure described in "Setting presets through manual tuning."
Stop scanning	Press TUNING MODE.
Change the preset number	Start over from step 1.
Change the preset station	Start over from step 1.
Cancel presetting	Press TUNER MEMORY.

continued

Presetting radio stations (continued)

To change the AM tuning interval (Except for the Middle Eastern model)

The AM tuning interval is factory-set to 9 kHz (10 kHz in some areas). To change the AM tuning interval, tune in any AM station first, then turn off the system. While holding down TUNER ENTER, press 1/t) to turn the system back on. When you change the interval, all the AM preset stations will be erased. To reset the interval, repeat the same procedure.

Note

You cannot change the AM tuning interval in the Power Saving Mode.

Tips

- The preset stations are retained for half a day even if you unplug the power cord or if a power failure occurs.
- To improve broadcast reception, reorient or mode the supplied antennas near a window or outdoors.

Listening to the radio

You can listen to a radio station either by selecting a preset station, or by manually tuning in the station

Listening to a preset station

- Preset Tuning

Preset radio stations in the tuner's memory first (see "Presetting radio stations" on page 11).

- 1 Press TUNER/BAND repeatedly to select "FM" or "AM."
- 2 Press TUNING MODE repeatedly until "PRESET" appears.
- 3 Press TUNING -/+ repeatedly to select the desired preset station.

Listening to non-preset radio station

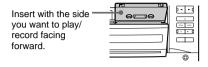
- Manual Tuning
- 1 Press TUNER/BAND repeatedly to select "FM" or "AM."
- 2 Press TUNING MODE repeatedly until "MANUAL" appears.
- 3 Press TUNING -/+ repeatedly to tune in the desired station.

Tips

- To improve broadcast reception, adjust the supplied antennas, or connect a commercially available external antenna.
- When an FM stereo program has static noise, press FM MODE repeatedly until "MONO" appears.
 There will be no stereo effect, but the reception will improve.
- Press TUNING MODE repeatedly until "AUTO" appears in step 2 above, then press TUNING -/+.
 The frequency indication changes and scanning stops when the system tunes in a station (Automatic Tuning).
- To record from the radio, see "Recording to a tape" on page 14.

Loading a tape

- 1 Press A EJECT or B EJECT.
- 2 Insert a tape in deck A or B.



Playing a tape

You can use TYPE I (normal) tape.

- 1 Load a recorded tape.
- 3 Press ▷ (or ◂► on the remote).

 Press ◁ (or ◂► on the remote again) to play the reverse side. The tape starts playing.
- * Relay Play always follow this cyclic sequence: Deck A (front side) → Deck A (reverse side) → Deck B (front side) → Deck B (reverse side)

То	Do this
Stop play	Press ■.
Pause (deck B only)	Press II. Press again to resume play.
Fast-forward	Press ▶▶▶ or ◄◄ (or press ▶ or ◄◄ on the remote) in stop mode.
Rewind	Press I ← ← or ► ► ► (or press ← or ► on the remote) in stop mode.
Remove the cassette	Press A EJECT \triangle (or \triangle B EJECT) in stop mode.

Tir

The deck stops automatically after repeating the sequence five times.

Searching for the beginning of a track (AMS)

During playback, press ◄◄ ◄◄ or ►►►► (or press ◄◄ or ►►► on the remote) repeatedly for the number of songs you want to skip forward (or backward).

The search direction, + (forward) or – (back), and number of songs being skipped (1 to 9) appear.

Example: searching forward 2 songs

TAPE A :::+2

Note

The AMS function may not operate correctly under the following circumstances:

- When the unrecorded space between songs is less than 4 seconds long.
- When the unit is placed near a television.

Note on the tape decks

Do not press A EJECT ♠ or ♠ B EJECT while playing a tape, otherwise the tape could be damaged.

Recording to a tape

CD Synchro Recording/High Speed Dubbing/Recording Manually/ Program Edit

You can record from a CD, tape (or connected components) or radio. You can use TYPE I (normal) tape. The recording level is adjusted automatically.

Steps	Recording from a CD (CD Synchro Recording)	Recording from a tape (High-Speed Dubbing)	Recording Manually
1	Insert a recordable tape into deck B.		
2	Insert the CD you want to record.	Insert the tape you want to record into deck A.	Press FUNCTION or TUNER/BAND repeatedly until the source or band you want to record appears, and then load the CD/ tape (or other music source), or tune to the station you want to record.
3	Press CD SYNC.	Press H SPEED DUB.	Press ● REC.
	DECK B stands by for recording. When you want to record on the reverse side, press ✓.		
4	Press DIRECTION repeatedly to select		
5	Press II. Recording starts.		Press II, then start playing the source to be recorded.

To stop recording

Press .

Tips

- When you record on both sides, be sure to start from the front side. If you start from the reverse side, recording stops at the end of the reverse side.
- For recording from the tape:

 If you set the direction to \(\sigma\) when the tapes you use have different lengths, the tapes in each deck reverses independently. If you select RELAY, the tapes in both decks reverse together.
- To record with the surround effect, press SURROUND so that "SUR (((((=))))" appears. The equalizer settings will not be recorded.
- For recording from the radio:
 If noise is heard while recording from the radio, move the respective antenna to reduce the noise.

Recording a CD by specifying track order

- Program Edit
- 1 Load CDs and a recordable tape.
- 2 Program CD and tracks following step 1 to 6 in "Programming the CD tracks" on page 10.
- 3 Press CD SYNC.

 Deck B stands by for recording.
- 4 Press DIRECTION repeatedly to select to record on one side.

 Select (→) (or RELAY) to record on both sides.
- 5 Press II.
 Recording starts.

Tip

To check the required tape length for recording a CD, press EDIT after you have loaded a CD and switched function to CD. The required tape length for the currently selected CD appears, followed by the total playing time for side A and side B respectively (Tape Select Edit).

Notes

- You cannot use Tape Select Edit for discs containing over 20 tracks.
- You cannot use this function when Program Play mode has been set. After clearing the entire program, follow the above procedure.

Timer-recording radio programs

To timer-record, you must preset the radio station (see "Presetting radio stations" on page 11) and set the clock (see "Setting the clock" on page 8) beforehand.

- 1 Tune in the preset radio station (see "Listening to the radio" on page 12).
- 2 Press @/CLOCK SET (or CLOCK/TIMER SET on the remote).
- 3 Press †/\(\psi\) repeatedly to select "REC SET," then press ENTER.

 "ON" appears and the hour indication
 - "ON" appears and the hour indication flashes in the display.
- 4 Set the time to start recording.

 Press ↑/↓ to set the hour, then press ENTER.

 The minute indication starts flashing.

 Press ↑/↓ to set the minute, then press ENTER.
- 5 Set the time to stop recording following the above procedure.

The start time appears, followed by the stop time, the preset radio station to be recorded (e.g., "TUNER FM 5"), then the original display appears.

6 Insert a recordable tape into deck B.

continued

Timer-recording radio programs (continued)

7 Turn off the power.

When the recording starts, the volume level is set to the minimum.

То	Do this
Check the setting	Press TIMER SELECT (or CLOCK/TIMER SELECT on the remote). Press ↑/↓ to select "REC SELECT". Then, press ENTER. To change the setting, start over from step 1.
Cancel timer operation	Press TIMER SELECT (or CLOCK/TIMER SELECT on the remote). Press 1/1 to select "TIMER OFF". Then, press ENTER.

Notes

- The system turns on 15 seconds before the preset time.
- If the system is on at the preset time, the Timer recording will not be made.
- When you use the Sleep Timer, Timer recording will not turn on the system until the Sleep Timer turns it off.
- · Recording starts from the front side.

Adjusting the sound

To reinforce lower bass sound (SUPER WOOFER)

Press SUPER WOOFER.

Each time you press this button, the super woofer level display changes cyclically as follows:

SUPER WOOFER FLAT \rightarrow LOW \rightarrow HIGH

Tin

SUPER WOOFER button lights up when super woofer mode is activated.

To select the super woofer mode Press SUPER WOOFER MODE while the super woofer is on.

Each time you press this button, the super woofer mode display changes as follows:

MODE MOVIE ←→ MODE MUSIC

For a powerful sound (GROOVE)

The volume switches to power mode and the equalizer curve changes.

Press GROOVE.

Press GROOVE again to return to the previous volume.

For a powerful and vivid sound (X-GROOVE)

The middle frequency of the music you are listening to is powerfully reinforced, the equalizer curve changes and loudness is increased

Press X-GROOVE.

Press X-GROOVE again to cancel the reinforcement.

Note

Canceling the Groove mode cancels the equalizer curve and super woofer level. Adjust the equalizer settings to obtain the desired effect.

Selecting the audio emphasis effect

Selecting the preset effect from the music menu

Press a direct equalizer button you want.

The preset effect name appears. See the chart "Music menu options."

Music menu options

"SUR((((|•))))" appears if you select an effect with surround effects.

Effect	For
SALSA	standard music sources
REGGAE	
TANGO	
SAMBA	
MOVIE	
ROCK	
JAZZ	
DANCE	
GUITAR	soundtracks and special
GAME	listening situations

Other operations

То	Press
Select a personal file	P FILE.
Cancel the effect	EFFECT repeatedly until "EFFECT OFF" appears.

Tip

You can also select the preset effect including the P FILE by pressing FILE SELECT $+\!\!/-$ on the remote repeatedly.

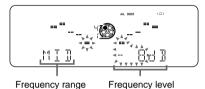
Making a personal audio emphasis file

- Personal File

You can create a personal file of audio patterns (surround effect and graphic equalizer) and store them in the system's memory. Later, you can call up an audio pattern when playing a favorite tape, CD, or radio program.

Before operating, first select the basic audio emphasis you want for your sound.

1 Press ←/→ to select the frequency range, and then press ↑/↓ to adjust the level.



2 Press ENTER.

This setting is automatically stored as P FILE.

The setting previously stored at this memory location is erased and replaced by the new settings.

То	Press
Call up a personal file	P FILE.
Cancel a personal file	EFFECT repeatedly until "EFFECT OFF" appears.

Selecting the surround effect

Press SURROUND.

Each time you press the button, the display changes as follows:

SURROUND ON (SUR(((((=))))))

1

SURROUND OFF

Timer

Falling asleep to music

- Sleep Timer

You can have the system turn off at a preset time, so you can fall asleep to music.

Press SLEEP.

Each time you press the button, the minute display (the turn-off time) changes as follows:

AUTO
$$\rightarrow$$
 90 \rightarrow 80 \rightarrow 70 \rightarrow ... \rightarrow 10 \rightarrow OFF \rightarrow AUTO* ...

* The power turns off when the current CD or tape finishes playback (for up to 100 minutes).

То	Press
Check the remaining time**	SLEEP once.
Change the time to turn off	SLEEP to select the time you want.
Cancel the Sleep Timer function	SLEEP repeatedly until "SLEEP OFF" appears.

^{**} You cannot check the remaining time when AUTO is selected.

Waking up to music

- Daily Timer

You can wake up to music at a preset time every day. Make sure you have set the clock (see "Setting the clock" on page 8).

1 Prepare the music source you want to play.

- CD: Load a CD. To start from a specific track, make a program (see "Programming the CD tracks" on page 10).
- Tape: Load a tape with the side you want to play facing forward.
- Radio: Tune in the preset station you want (see "Presetting radio stations" on page 11).

2 Adjust the volume.

3 Press @/CLOCK SET (or CLOCK/TIMER SET on the remote).

"SET" appears and "DAILY SET" flashes in the display.

4 Press ENTER.

"ON" appears and the hour digits flash in the display.

5 Set the time to start playback.

Press \uparrow/\downarrow repeatedly to set the hour, then press ENTER.

The minute indication starts flashing. Press \uparrow / \downarrow repeatedly to set the minute, then press ENTER.

6 Set the time to stop playback following the above procedure.

7 Press †/\pi repeatedly until the music source you want appears.

The indication changes as follows:

8 Press ENTER.

The start time, stop time, and the music source appear, then the original display appears.

9 Turn off the system.

То	Do this
Check the setting	Press TIMER SELECT (or CLOCK/TIMER SELECT on the remote). Press \(\frac{1}{\sqrt}\) to select "DAILY SELECT". Then, press ENTER.
Change the setting	Start from step 1.
Cancel the timer operation	Press TIMER SELECT (or CLOCK/TIMER SELECT on the remote). Press \(^1/\frac{1}{4}\) to select "TIMER OFF". Then, press ENTER.

Notes

- When you use the Sleep Timer, Daily Timer will not turn on the system until the Sleep Timer turns it off.
- You cannot activate the Daily Timer and the recording timer at the same time.

Lip

The power turns on 15 seconds before the preset time.

Changing the spectrum analyzer display

Press SPECTRUM ANALYZER.

Each time you press the button, the display changes cyclically as follows:

PATTERN1 → PATTERN2 → PATTERN4

Singing along: Karaoke

You can sing along with any stereo CD or tape by turning down the singer's voice. You need to connect an optional microphone.

- 1 Turn MIC LEVEL to MIN to turn down the microphone control level.
- 2 Connect an optional microphone to MIX MIC.
- 3 Press MIX GUITAR/KARAOKE.

Each time you press the button, the display changes as follows:

MIX GUITAR/KARAOKE ←→ EFFECT OFF* or audio emphasis name*

The \(^\) indicator appears when karaoke mode is activated.

- * Karaoke mode is canceled.
- 4 Start playing the music.
- 5 Adjust the microphone volume by turning MIC LEVEL.

After you have finished

Turn MIC LEVEL to MIN and disconnect the microphone from MIX MIC, then press MIX GUITAR/KARAOKE repeatedly until "
disappears."

Notes

- With some songs, vocals may not be canceled when you select "MIX GUITAR/KARAOKE."
- During MIX GUITAR/KARAOKE, equalizer and surround settings cannot be changed.
- If you select a sound effect, the karaoke mode is canceled
- The instrumental sound may be reduced as well as the singer's voice when the sound is recorded in monaural.
- · The singer's voice may not be reduced when:
 - only a few instruments are playing.
 - a duet is being played.
 - the source has strong echoes or chorus.
 - the singer's voice deviates from the center.
 - the voice on the source is singing in high soprano or tenor.

Mixing and recording sounds

- 1 Do the procedure for "Singing along" (steps 1 through 5). Then, load a recordable tape in deck B.
- 2 Press FUNCTION repeatedly to select the source you want to record and set it to pause mode.
- 3 Press REC.
- 4 Press DIRECTION repeatedly to select

 to record on one side. Select (

 (or RELAY) to record on both sides.
- 5 Press II.
- 6 Press ►II to start playing the CD (or ➤ on deck A to start playing the tape).

 Start singing along with the music.

To stop recording

Press .

Tips

- If acoustic feedback (howling) occurs, move the microphone away from the speakers or change the direction of the microphone.
- If you want to record your voice through the microphone only, you can do so by selecting the CD function and not playing a CD.
- When high level sound signals are input, the unit automatically adjusts the recording level to prevent distortion of the recorded sound signal (Auto Level Control Function).

Playing a guitar

You can enjoy playing the guitar by connecting an electric guitar to the GUITAR jack on the front panel.

When you select "MIX GUITAR/KARAOKE" by pressing MIX GUITAR/KARAOKE, you can play along with any stereo CD or tape.

You can select your preferred sound characteristics by adjusting GUITAR LEVEL.

Using the Guitar distortion effect

Press GUITAR DISTORTION.

The indicator on the GUITAR DISTORTION button lights up.

Once GUITAR DISTORTION is activated, it will remain active while the power is on even if the function is changed.

To turn off GUITAR DISTORTION, press GUITAR DISTORTION again, the indicator on this button goes off.

Note

Playing a guitar with this unit may cause distortion or howling. To avoid this, do the followings:

- Move the guitar away from the speakers.
- Turn down the guitar volume.

Enhancing video game sound

- Game Sync

You can enjoy the sound effect of video games.

- 1 Connect a video game player (see "Hooking up optional components" on page 24).
- 2 Press GAME in the upper-right corner on the front panel (see 14, "List of Button Locations and Reference Pages" on page 4).

Mixing video game sound with other sound source

- Game Mixing

- 1 Connect a video game player (see "Hooking up optional components" on page 24).
- 2 Press FUNCTION repeatedly to select your desired sound source.
- 3 Press GAME MIXING.

Each time you press this button, the level of the game sound changes cyclically as follows:

MIXING LOW \rightarrow MIXING MID \rightarrow MIXING OFF

zaiT

- The indicator on the GAME MIXING button lights up when GAME MIXING is activated.
- Once GAME MIXING is activated, it will remain active while the power is on even if the function is changed.

Note

If you start recording while GAME MIXING is activated, GAME MIXING is canceled. To record the mixed sound, press GAME MIXING after step 4 of "Recording Manually" on page 14, and then press ■ to start recording.

Turning off the display

- Power Saving Mode

The demonstration display (display window and buttons lighting and flashing even when the system power is off) and the clock display can be turned off to minimize the amount of power consumed during standby (Power Saving Mode).

Press POWER SAVE/DEMO (STANDBY) repeatedly while the system is off until the demonstration display disappears.

To cancel Power Saving Mode Press POWER SAVE/DEMO (STANDBY) repeatedly while the system is off. Each time you press the button, the display switches as follows:

Demonstration display ←→ No display (Power Saving Mode)

Tips

- I/U indicator lights up even in the Power Saving Mode.
- The timer continues to operate in Power Saving Mode.
- Each time you press DISPLAY while the system is off, the display switches as follows:
 Demonstration display ← Clock display*
- * The clock is displayed only if you set the clock.

Using the CD display

You can check the remaining time of the current track or that of the CD.

When a CD TEXT disc is loaded, you can check the information stored on the disc, such as the titles or artist names. When the unit detects CD TEXT discs, the "CD-TEXT" indication appears.

Press DISPLAY.

During normal playback

Playing time on the current track →
Remaining time on the current track →
Remaining time on current CD (1 DISC mode)
or "----" display (ALL DISCS mode) → Title
name of the current track* → Clock display
(for a few seconds) → Effect status

In stop mode

Total number of tracks and total playing time

→ Disc title* → Clock display (for a few seconds) → Effect status

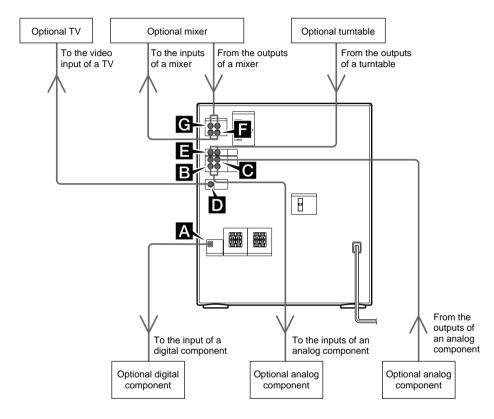
* With CD TEXT discs only (certain characters cannot be displayed). When the CD contains more than 20 tracks, CD TEXT is not displayed from track 21 on.

Notes

- The display may not show all the characters depending on the disc.
- This player can only display the disc titles and track titles from CD TEXT discs. Other information cannot be displayed.

Hooking up optional components

To enhance your system, you can connect optional components. Refer to the operating instructions provided with each component.



A CD DIGITAL OUT jack

Use a digital optical cable (square, not supplied) to connect an optional digital component (such as an MD deck) to this jack. You can then output digital audio to that component from this system.

B MD (VIDEO) OUT jacks

Use audio cords (not supplied) to connect an optional component (such as an MD deck or a VCR) to these jacks. You can then output audio to that component from this system.

MD (VIDEO) IN jacks

Use audio cords (not supplied) to connect an optional component (such as an MD deck or a VCR) to these jacks. You can then record or listen to analogue audio from that component through this system.

■ VIDEO OUT jack

Use a video cord (not supplied) to connect an optional component (such as a TV) to this jack. You can then output video to that component from the connected video game through this system.

E PHONO IN jacks

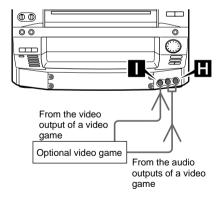
Use audio cords (not supplied) to connect an optional component (such as a turntable) to these jacks. You can then record or listen to analogue audio from that component through this system.

DJ MIX SEND jacks (mixer for North American and Mexican models only)

Before connecting these jacks, remove the preinstalled jumper for connecting the DJ MIX RETURN and SEND jacks. Use audio cords (not supplied) to connect an optional component (such as a mixer) to these jacks. You can then output audio to that component from this system.

G DJ MIX RETURN jacks (mixer for North American and Mexican models only)

Before connecting these jacks, remove the preinstalled jumper for connecting the DJ MIX RETURN and SEND jacks. Use audio cords (not supplied) to connect an optional component (such as a mixer) to these jacks. You can then record or listen to analogue audio from that component through this system.



H GAME INPUT AUDIO L/R jacks

Use audio cords (not supplied) to connect an optional component (such as a video game or camcorder, etc.) to these jacks. You can then record or listen to analogue audio from that component through this system.

■ GAME INPUT VIDEO jack

Use video cord (not supplied) to connect an optional component (such as a video game or camcorder, etc.) to this jack. You can then output video to the connected TV from that component through this system.

Notes

- Be sure to match the color of the plugs and the connectors.
- Using a turntable at high volume may cause distortion or howling. This is often caused by the bass sound from the speakers. The bass sound may produce the distortion or howling. To avoid this, do the following:
 - 1 Keep some distance from speakers to the turntable.
 - 2 Stop using the surround effect.
 - 3 Install the speakers or the turntable on a firm and stable surface.
- 4 Press SUPER WOOFER repeatedly until the indicator on this button goes off.
- Replace the jumpers when the mixer is not in use.
 Otherwise, no sound will be heard. Be sure to connect the jumpers from the RETURN jack to the SEND jack of the unit.

Two jumpers are pre-installed connecting the DJ MIX RETURN and SEND jacks.

Listening to audio from a connected component

Listening to an MD deck or VCR, etc.

1 Connect the audio cords.

See "Hooking up optional components" on page 24.

2 Press FUNCTION repeatedly until "MD" or "VIDEO" appears.

Start playing the connected component.

Notes

- Holding down FUNCTION, and then pressing I/O while the power is off automatically turns the power on and selects "VIDEO" as the function. When the system is in power saving mode, this function does not work.
- If the sound is distorted or too loud when "VIDEO" is selected or you want to switch back to "MD," repeat the operation described above to switch to "MD."

Listening to a turntable, etc.

1 Connect the audio cords.

See "Hooking up optional components" on page 24.

2 Press FUNCTION repeatedly until "PHONO" appears.

Start playing the connected component.

Listening to a video game or camcorder, etc.

1 Connect the audio cords.

See "Hooking up optional components" on page 24.

2 Press FUNCTION repeatedly until "GAME" appears or press GAME in the right corner of the front panel.

Start playing the connected component.

Listening to an audio from mixer, etc.

1 Connect the audio cords.

See "Hooking up optional components" on page 24.

2 Press FUNCTION repeatedly until "CD" appears.

Start playing the connected component.

Recording audio from a connected component

Making an analogue recording from an analogue component on a tape

- 1 Connect the audio cords.
 - See "Hooking up optional components" on page 24.
- 2 Start recording manually.

See "Recording to a tape" on page 14.

Recording on a connected component

Making a digital recording

- 1 Connect the digital optical cord.

 See "Hooking up optional components" on
 - See "Hooking up optional components" or page 24.
- 2 Start recording.

Refer to the operating instructions provided with connected component.

Making an analogue recording

- 1 Connect the audio cords.
 - See "Hooking up optional components" on page 24.
- 2 Start recording.

Refer to the operating instructions provided with connected component.

Problems and remedies

If you run into any problem using this unit, use the following check list.

First, check that the power cord is connected firmly and the speakers are connected correctly and firmly.

Should any problem persist, consult your nearest Sony dealer.

General

"--:-" appears in the display.

 A power interruption occurred. Set the clock and timer settings again.

The display starts flashing as soon as you plug in the power cord even though you haven't turned on the power.

• Refer to demonstration (see page 23).

The clock setting is canceled.

 The power cord is disconnected or a power failure occurs. Redo "Setting the clock" (on page 8). If you have set the timer, redo "Waking up to music" (on page 19) and "Timer-recording radio programs" (on page 15).

The radio presetting/timer setting is canceled.

 The power cord is disconnected or a power failure occurs for longer than half a day. Redo "Presetting radio stations" (on page 11).

There is no sound.

- The jumpers for the DJ MIX jacks are not connected (for North American and Mexican models only).
- · Turn VOLUME clockwise.
- · The headphones are connected.
- Insert only the stripped portion of the speaker cord into the SPEAKER jack. Inserting the vinyl portion of the speaker cord will obstruct the speaker connections.
- The protective device on the amplifier has been activated because of a short circuit.
 ("PROTECT" and "PUSH POWER" flash alternately.) Turn off the unit, eliminate the short-circuit problem and turn on the power again.
- · There is no audio output during timer recording.

There is no microphone sound.

- Turn VOLUME or MIC LEVEL to adjust the microphone volume.
- Make sure the microphone is connected to the MIX MIC jack correctly.

There is no quitar sound.

- Turn VOLUME or GUITAR LEVEL to adjust the guitar volume.
- Make sure the guitar is connected to the GUITAR jack correctly.
- Select "MIX GUITAR/KARAOKE" by pressing MIX GUITAR/KARAOKE.

There is severe hum or noise.

 A TV or VCR is placed too close to the stereo system. Move the stereo system away from the TV or VCR.

The sound from the connected source is distorted.

 If "VIDEO" appears in the display when you press FUNCTION repeatedly, switch the display to "MD" (see "Notes" in "Listening to audio from a connected component" on page 26).

The timer does not function.

- · Set the clock correctly
- · Set the timer correctly

DAILY and REC do not appear when you press the @/CLOCK SET button.

- · Set the timer correctly.
- · Set the clock.

The remote does not function.

- There is an obstacle between the remote and the system.
- The remote is not pointing in the direction of the system's sensor.
- The batteries have run down. Replace the batteries.

There is acoustic feedback.

- · Decrease the volume level.
- Move the microphone away form the speakers or change the direction of the microphone.

The color irregularity on a TV screen persists.

 Turn off the TV set once, then turn it on after 15 to 30 minutes. If the color irregularity still persists, place the speakers farther away from the TV set.

Speakers

"PROTECT" and "PUSH POWER" appear alternately.

- A strong signal was input. Press I/O to turn off the power, leave the system turned off for a while, then press I/O again to turn on the power.
- Check the speaker cables in case "PROTECT" and "PUSH POWER" appear alternately again after you turn the system on.

Sound comes from one channel or unbalanced left and right volume.

 Check the speaker connection and speaker placement.

Sound lacks bass.

• Check that the speaker's + and – jacks are connected correctly.

CD Player

The CD tray does not close.

• The CD is not placed properly.

The CD will not play.

- The CD is not lying flat in the disc tray.
- The CD is dirty (see "Notes on CDs" on page 31).
- · The CD is inserted label side down.
- · The CD is moist.

Play does not start from the first track.

 The player is in program or shuffle mode. Press PLAY MODE repeatedly until "PROGRAM," "ALL DISCS SHUFFLE," or "1 DISC SHUFFLE" disappears.

Tape Deck

The tape does not record.

- The tab has been removed from the cassette (see "To save a tape permanently" on page 31).
- The tape has reeled to the end.

The tape does not record nor play, or there is a decrease in sound level.

- The heads are dirty (see "Cleaning the tape heads" on page 32).
- The record/playback heads are magnetized (see "Demagnetizing the tape heads" on page 32).

The tape does not erase completely.

 The record/playback heads are magnetized (see "Demagnetizing the tape heads" on page 32).

There is excessive wow or flutter, or the sound drops out.

• The capstans or pinch rollers are dirty (see "Cleaning the tape heads" on page 32).

Noise increases or the high frequencies are erased.

 The record/playback heads are magnetized (see "Demagnetizing the tape heads" on page 32).

continued

Problems and remedies (continued)

Tuner

Severe hum or noise ("TUNED" or "STEREO" flashes in the display).

- · Adjust the antenna.
- · The signal strength is too weak. Connect the external antenna.

A stereo FM program cannot be received in stereo.

· Press STEREO/MONO so that "STEREO" disappears.

If other troubles not described above occur, reset the system as follows:

- 1 Press @/CLOCK SET. TUNER ENTER and I/U at the same time.
- **2** Unplug the power cord.
- 3 Plug the power cord back in.
- 4 Press I/ to turn on the power.

The unit is reset to factory settings. All the settings you made are cleared.

Messages

CD

NO STEP

You have cleared all the tracks you programed.

OVER

You have reached the end of the CD. Press ◀ ...



STEP FULL

You tried to program 26 or more tracks (steps).

Additional Information

Precautions

On operating voltage

Before operating the unit, check that the operating voltage of your unit is identical with the voltage of vour local power supply.

On safety

- · The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- · Unplug the unit from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the cord (mains lead), pull it out by the plug. Never pull the cord itself.
- · Should any solid object or liquid fall into the component, unplug the unit and have the component checked by qualified personnel before operating it any further.
- · The AC power cord must be changed only at the qualified service shop.

On placement

- · Do not place the unit in an inclined position.
- Do not place the unit in locations where it is:
 - extremely hot or cold
 - dusty or dirty
 - very humid
 - vibrating
- subject to direct sunlight
- · Use caution when placing the unit or speakers on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

On heat buildup

- · Although the unit heats up during the operation, this is not the malfunction.
- · Place the unit in a location with adequate ventilation to prevent heat build-up in the unit.

If you continuously use this unit at a large volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.

To prevent a malfunction, do not cover the ventilation hole for cooling fan.

On operation

- If the unit is brought directly from a cold to a warm location, or is placed in a very damp room, moisture may condense on the lens inside the CD player. Should this occur, the unit will not operate properly. Remove the CD and leave the unit turned on for about an hour until the moisture evaporates.
- · When you move the unit, take out any discs.

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

Notes on CDs

- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out.
- · Do not use solvents.
- Do not expose the CD to direct sunlight or heat sources.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this unit. Do not use such discs.

Note on CD-R/CD-RW playback

Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording conditions or the drive's characteristics. Besides, the discs, which are not yet finalized at the end of recording, cannot be played back.

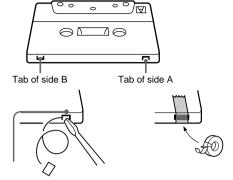
Cleaning the cabinet

Use a soft cloth slightly moistened with mild detergent solution.

To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tab from side A or B as illustrated.

If you later want to reuse the tape for recording, cover the broken tab with adhesive tape. However, be careful not to cover the detector slots which allow the tape player to automatically detect the type of tape.



Break off the cassette tab of side A

Before placing a cassette in the tape deck

Take up any slack in the tape. Otherwise the tape may get entangled in the parts of the tape deck and become damaged.

When using a tape longer than 90 minutes

The tape is very elastic. Do not change the tape operations such as play, stop, and fast-winding, etc. frequently. The tape may get entangled in the tape deck.

continued

Precautions (continued)

Cleaning the tape heads

Clean the tape heads after every 10 hours of use. Make sure to clean the tape heads before you start an important recording or after playing an old tape. Use separately sold dry-type or wet-type cleaning cassette. For details, refer to the instructions of the cleaning cassette.

Demagnetizing the tape heads

Demagnetize the tape heads and the metal parts that have contact with the tape every 20 to 30 hours of use with a separately sold demagnetizing cassette. For details, refer to the instructions of the demagnetizing cassette.

Specifications

AUDIO POWER SPECIFICATIONS (LBT-XGR6 USA models only)

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 6 ohm loads, both channels driven, from 120-10,000 Hz; rated 140 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milli watts to rated output.

Amplifier section

North American models: LBT-XGR6

Continuous RMS power output (reference)

160 + 160 watts (6 ohms at 1 kHz, 10% THD)

Total harmonic distortion less than 0.07%

(6 ohms at 1 kHz, 70 W)

Other models: LBT-XGR80

The following measured at AC 120/220/240V, 50 Hz DIN power output (rated) $125W \times 2 + 125W \times 2$

watts

(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference)

 $170 \text{ W} \times 2 + 170 \text{ W} \times 2$

(6 ohms at 1 kHz, 10% THD)

LBT-XGR60

The following measured at AC 120/220/240V, 50 Hz DIN power output (rated) 150 + 150 watts

(6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference)

200 + 200 watts

(6 ohms at 1 kHz, 10% THD)

Inputs DJ MIX RETURN*:

(phono jacks) sensitivity 250 mV, impedance 47 kilohms GUITAR:

(phone jack)

sensitivity 75 mV, impedance 470 kilohms

PHONO IN: (phono jacks) sensitivity 3 mV,

impedance 47 kilohms MIX MIC:

(phone jack)

sensitivity 1 mV. impedance 10 kilohms

GAME INPUT: (phono jacks)

sensitivity 250 mV, impedance 47 kilohms

MD (VIDEO) IN:

(phono jack)

sensitivity 450 mV (250 mV), impedance 47 kilohms

sensitivity 250 mV,

8 ohms or more

voltage 250 mV

16 ohms (SUPER

WOOFER)

WOOFER)

16 ohms

impedance 1 kilohms

accepts impedance of 6 to

accepts impedance of 6 to

accepts impedance of 6 to

16 ohms (TWEETER &

Outputs

DJ MIX SEND*:

(phono jacks)

impedance 1 kilohms PHONES: accepts headphones of

(stereo phone jack)

MD (VIDEO) OUT:

(phono jacks)

FRONT SPEAKER:

LBT-XGR80:

LBT-XGR60/XGR6:

* North American and Mexican models only

CD player section

System Compact disc and digital

audio system Semiconductor laser Laser

> $(\lambda = 795 \text{ nm})$. Emission duration: continuous

Frequency response $2 \text{ Hz} - 20 \text{ kHz} (\pm 0.5 \text{ dB})$ Signal-to-noise ratio More than 90 dB

Dynamic range More than 90 dB

CD OPTICAL DIGITAL OUT

(Square optical connector jack, rear panel) Wavelength: 660 nm -18 dBmOutput level

Tape player section

4-track 2-channel stereo Recording system 40 - 13.000 Hz (+3 dB).

Frequency response using Sony TYPE I cassette

Wow and flutter ±0.15% W.Peak (IEC) 0.1% W.RMS (NAB) ±0.2% W.Peak (DIN)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range

North American models: 87.5 - 108.0 MHz (100 kHz step) Other models:

87.5 – 108.0 MHz (50 kHz step) FM lead antenna

Antenna Antenna terminals 75 ohms unbalanced

Intermediate frequency 10.7 MHz

continued

Specifications (continued)

AM tuner section

Tuning range

530 - 1.710 kHz Pan- American models:

(with the interval set at

10 kHz)

531 – 1,710 kHz (with the interval set at

9 kHz)

531 – 1,602 kHz Other models:

(with the interval set at

9 kHz) 530 – 1,710 kHz

(with the interval set at

10 kHz)

AM loop antenna Antenna

External antenna terminal Antenna terminals

Intermediate frequency 450 kHz

Speakers

North American models: SS-XGR6 for LBT-XGR6

3-way BUILT IN SW, Speaker system

bass-reflex type

Speaker units

Super Woofer/Woofer: 17 cm/17 cm, cone type Tweeter:

2.5 cm, horn type Rated impedance 6 ohms

Dimensions (w/h/d) Approx. $255 \times 530 \times$

330 mm

Mass Approx. 9.0 kg net per

speaker

Other models speaker SS-XGR60 for LBT-XGR60

Speaker system 3-way BUILT IN SW,

bass-reflex type,

magnetically shielded type

Speaker units

Super Woofer/Woofer: 17 cm/17 cm, cone type

Tweeter: 2.5 cm, horn type Rated impedance 6 ohms Dimensions (w/h/d)

Approx. $255 \times 530 \times$

375 mm

Mass Approx. 10.0 kg net per speaker

SS-XGR80 for LBT-XGR80

3-way BUILT IN SW, Speaker system

bass-reflex type,

magnetically shielded type

Speaker units Super Woofer: 22 cm, cone type Rated impedance 6 ohms

Woofer: 20 cm, cone type

Tweeter 2.5 cm, horn type Rated impedance 6 ohms

Dimensions (w/h/d) Approx. $290 \times 615 \times$ 440 mm

Mass Approx. 15.5 kg net per

speaker

General

Power requirements

North American models: 120 V AC, 60 Hz
Mexican model: 120 V AC, 60 Hz
120 V AC, 60 Hz
120 V, 220 V or 230 –

240 V AC, 50/60 Hz Adjustable with voltage

selector

Power consumption

U.S.A. models:

LBT-XGR6 240 watts

Other models:

LBT-XGR80 320 watts LBT-XGR60 180 watts

Dimensions (w/h/d) Approx. $355 \times 425 \times$

451 mm

Mass:

LBT-XGR6 Approx. 13.0 kg LBT-XGR80 Approx. 16.4 kg LBT-XGR60 Approx. 14.7 kg

Supplied accessories: AM loop antenna (1)

FM lead antenna (1) Speaker cords (MHC-XGR80:4, MHC-XGR60/XGR6:2)

Speaker pads (8) Remote commander (1)

Batteries (2)

Design and specifications are subject to change without notice.